

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/23/2019 10/23/2019	David Julian

LM Start		Rating **	A	Issue No.	<b>3</b>
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0349_01_f_2014_3				
Comment Code					
Inspector Comment					
District does have some supplies including sand, sand bags, and stakes.					

No Photos

LM Start		Rating **	A	Issue No.	<b>4</b>
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0349_01_f_2014_4				
Comment Code					
Inspector Comment					
RD 349 has O&M Manual on hand.					

No Photos

LM Start		Rating **	M	Issue No.	<b>14</b>
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0349_01_f_2014_14				
Comment Code					
Inspector Comment					
LMA has not taken flood fight training in the past couple of years.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/23/2019 10/23/2019	David Julian

LM Start	0.01	Rating **	A/W	Issue No.	9
LM End	0.10	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.326996 °	38.325798 °
				-121.576557 °	-121.577027 °
DWR ID	DWR_RD0349_01_f_2018_9				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 33.9 R					
Status: Critical					
2017 Field Notes: New erosion pocket. Tree roots propped up with junk.					
Tree likely to fall and house to come tumbling after. Upgraded to critical.					
Site History: 2015 - Erosion observed at the toe.					

No Photos

LM Start	0.14	Rating **	U	Issue No.	11
LM End	0.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.325285°	38.323375°
				-121.577462°	-121.578003°
DWR ID	DWR_RD0349_01_f_2019_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0349\_204\_11\_20191025\_00031.jpg



View looking downstream at thick vegetation on the landside slope (Fall 2019).

LM Start	0.38	Rating **	M	Issue No.	21
LM End	0.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.321860 °	38.316335 °
				-121.578430 °	-121.579148 °
DWR ID	DWR_RD0349_01_f_2019_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/23/2019 10/23/2019	David Julian

LM Start	0.47	Rating **	M	Issue No.	22
LM End	1.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.320520 °	38.307013 °
				-121.578605 °	-121.575518 °
DWR ID	DWR_RD0349_01_f_2017_22				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.62	Rating **	C	Issue No.	30
LM End	0.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.318392 °	38.318392 °
				-121.578987 °	-121.578987 °
DWR ID	DWR_RD0349_01_f_2018_30				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.76	Rating **	U	Issue No.	23
LM End	1.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.316337 °	38.311837 °
				-121.579147 °	-121.578378 °
DWR ID	DWR_RD0349_01_f_2019_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0349\_204\_23\_20191025\_00032.jpg



View looking downstream at thick vegetation on the landside slope (Fall 2019).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/23/2019 10/23/2019	David Julian

LM Start	<b>0.89</b>	Rating **	M	Issue No.	<b>38</b>
LM End	<b>0.89</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.314548°	38.314548°	
			-121.579098°	-121.579098°	
DWR ID	DWR_RD0349_01_f_2018_38				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	<b>0.92</b>	Rating **	C	Issue No.	<b>37</b>
LM End	<b>0.92</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.314080°	38.314080°	
			-121.579002°	-121.579002°	
DWR ID	DWR_RD0349_01_f_2018_37				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	<b>0.97</b>	Rating **	C	Issue No.	<b>35</b>
LM End	<b>0.97</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.313380°	38.313380°	
			-121.578860°	-121.578860°	
DWR ID	DWR_RD0349_01_f_2018_35				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove vegetation from the landside toe.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/23/2019 10/23/2019	David Julian

LM Start	<b>1.00</b>	Rating **	M	Issue No.	<b>15</b>
LM End	<b>1.06</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.312911 °	38.312131 °
				-121.578528 °	-121.578292 °
DWR ID	LMA-145				
Comment Code					
Inspector Comment					
<p>Levee Evaluation Comments</p> <p>Description: District Station 52+92 to 55+88, Sec. 06, T. 5 N. R. 4 E., M.D.M. Approximately 296 linear-feet of eroded area exists along the waterside levee slope of the Sacramento River (Unit 1). Erosion commences at approximately 3/4 of the way down the slope from the crown and extends into the rip rap. Some rip rap has been pulled off in this section.</p> <p>Site ID No: 318</p> <p>Site Designation: LMA-145</p> <p>Repair Type: Erosion</p> <p>Rating: Area of Concern</p> <p>Field Date: 7/28/2017</p> <p>Notes: slope too steep, vegetation too thick for clear inspection, no direct visual of damage</p>					

Photo 1 of 1 : FA\_2019\_RD0349\_204\_15\_20190826\_00002.jpg



Waterside erosion at LM 1.02.

LM Start	<b>1.14</b>	Rating **	M	Issue No.	<b>24</b>
LM End	<b>1.14</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.310992 °	38.310992 °
				-121.578050 °	-121.578050 °
DWR ID	DWR_RD0349_01_s_2018_24				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/23/2019 10/23/2019	David Julian

LM Start	1.15	Rating **	U	Issue No.	25
LM End	1.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.310785 °	38.310123 °
				-121.577963 °	-121.577590 °
DWR ID	DWR_RD0349_01_f_2019_25				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0349\_204\_25\_20191025\_00034.jpg



View looking downstream at vegetation on the landside slope (Fall 2019).

LM Start	1.20	Rating **	C	Issue No.	29
LM End	1.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.310110 °	38.309955 °
				-121.577608 °	-121.577495 °
DWR ID	DWR_RD0349_01_f_2017_29				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.40	Rating **	M	Issue No.	36
LM End	1.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.307553 °	38.307553 °
				-121.575848 °	-121.575848 °
DWR ID	DWR_RD0349_01_f_2018_36				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0349\_204\_36\_20190826\_00012.jpg



View of fallen tree limb on the landside toe (November 2018).

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	10/23/2019 10/23/2019	David Julian

LM Start	1.45	Rating **	U	Issue No.	16
LM End	1.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.306995 °	38.306995 °
				-121.575432 °	-121.575432 °
DWR ID	DWR_RD0349_01_s_2019_16				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0349\_204\_16\_20190826\_00003.jpg



View of thick trees on the waterside slope (Spring 2019).

LM Start	1.54	Rating **	U	Issue No.	34
LM End	1.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.305772 °	38.305252 °
				-121.574763 °	-121.574791 °
DWR ID	DWR_RD0349_01_f_2017_34				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arundo completely blocks visibility and access to waterside of levee.					

Photo 1 of 1 : FA\_2019\_RD0349\_204\_34\_20190826\_00010.jpg



View of arundo on the waterside of levee

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

LM Start	0.04	Rating **	C	Issue No.	44
LM End	0.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304877 °	38.304719 °
				-121.575384 °	-121.576083 °
DWR ID	DWR_RD0349_02_f_2017_44				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Waterside vegetation should be removed or thinned to 20 feet from crown to allow inspection and access.					

No Photos

LM Start	0.16	Rating **	M	Issue No.	32
LM End	0.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304090 °	38.303715 °
				-121.577310 °	-121.577852 °
DWR ID	DWR_RD0349_02_f_2019_32				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0349\_205\_32\_20191025\_00118.jpg



View looking downstream at vegetation on the landside slope (Fall 2019).

LM Start	0.20	Rating **	C	Issue No.	38
LM End	0.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.303715 °	38.303715 °
				-121.577795 °	-121.577795 °
DWR ID	DWR_RD0349_02_s_2019_38				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

LM Start	0.25	Rating **	M	Issue No.	75
LM End	0.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.303317 °	38.303317 °
				-121.578673 °	-121.578673 °
DWR ID	DWR_RD0349_02_f_2018_75				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove downed tree from the landside slope.					

Photo 1 of 1 : FA\_2019\_RD0349\_205\_75\_20190826\_00051.jpg



View of downed tree on the landside slope (November 2018).

LM Start	0.28	Rating **	M	Issue No.	33
LM End	0.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.303103 °	38.300388 °
				-121.579080 °	-121.580895 °
DWR ID	DWR_RD0349_02_f_2019_33				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.40	Rating **	M	Issue No.	74
LM End	0.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.301673 °	38.301347 °
				-121.580385 °	-121.580522 °
DWR ID	DWR_RD0349_02_f _ 2018_74				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

LM Start	0.60	Rating **	M	Issue No.	28
LM End	0.72	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.298897 °	38.297384 °
				-121.581571 °	-121.582176 °
DWR ID	DWR_RD0349_02_f_2018_28				
Comment Code					
Inspector Comment					
2017 Site ID: STM 25.5 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2010 - Small maintenance, erosion into the toe. 2011 -					
Minor new erosion at toe. 2015 - Minor new erosion at toe, new tree					
pop-out. 2016 - Fresh scarp at downstream end.					

Photo 1 of 1 : FA\_2019\_RD0349\_205\_28\_20190826\_00013.jpg



USACE 2013 Photo #1

LM Start	0.64	Rating **	M	Issue No.	54
LM End	0.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.298460 °	38.297588 °
				-121.582115 °	-121.582402 °
DWR ID	DWR_RD0349_02_s_2019_54				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

\* Location  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

LM Start	0.68	Rating **	U	Issue No.	78
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.297942°	38.296947°
				-121.582338°	-121.582478°
DWR ID	DWR_RD0349_02_f_2019_78				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0349\_205\_78\_20191025\_00123.jpg



View looking downstream at thick vegetation on the landside slope (Fall 2019).

LM Start	0.81	Rating **	M	Issue No.	105
LM End	0.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.296073 °	38.296073 °
				-121.582765 °	-121.582765 °
DWR ID	DWR_RD0349_02_f_2019_105				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.87	Rating **	U	Issue No.	71
LM End	0.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295242°	38.295190°
				-121.583043°	-121.583095°
DWR ID	DWR_RD0349_02_f _ 2018_71				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove arundo from the waterside slope.					

Photo 1 of 1 : FA\_2019\_RD0349\_205\_71\_20191025\_00137.jpg



View looking upstream at arundo on the waterside slope (Fall 2019).

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

LM Start	0.91	Rating **	C	Issue No.	55
LM End	2.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.294642°	38.279207°
				-121.583282°	-121.589805°
DWR ID	DWR_RD0349_02_f_2018_55				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.92	Rating **	M	Issue No.	106
LM End	1.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.294562 °	38.293240 °
				-121.583315 °	-121.583625 °
DWR ID	DWR_RD0349_02_f_2019_106				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.93	Rating **	C	Issue No.	7
LM End	0.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.294385 °	38.294385 °
				-121.583351 °	-121.583351 °
DWR ID	DWR_RD0349_02_f_2017_7				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree has been removed from road, but currently obstructs visibility and access to landside slope. Smaller branches/foliage are stacked along both roadway shoulders. All debris should be removed from levee.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

LM Start	<b>1.06</b>	Rating **	M	Issue No.	<b>69</b>
LM End	<b>1.29</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.292575°	38.289203°	
			-121.583847°	-121.584050°	
DWR ID	DWR_RD0349_02_f_2018_69				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	<b>1.15</b>	Rating **	C	Issue No.	<b>79</b>
LM End	<b>1.18</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.291302°	38.290855°	
			-121.584145°	-121.584142°	
DWR ID	DWR_RD0349_02_s_2019_79				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Wild growth is blocking the view of waterside slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

LM Start	1.33	Rating **	M	Issue No.	40 (cont)	
LM End	1.49	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.288727 °		38.286475 °
				-121.583823 °		-121.585026 °
DWR ID	DWR_RD0349_02_s_2012_28					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:66						
Site Designation:DWR_RD0349_02_s_2012_28						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:6/7/2017						
Notes: dense vegetation and large trees hindered visibility; slope riprap appeared failing in some parts						

Photo 3 of 3 : FA\_2019\_RD0349\_205\_40\_20190826\_00026.jpg



LM Start	1.33	Rating **	A/W	Issue No.	27
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.288727 °	38.286475 °
				-121.583823 °	-121.585026 °
DWR ID	DWR_RD0349_02_f_2018_27				
Comment Code					
Inspector Comment					
2017 Site ID: STM 24.7 R					
Status: Critical					
2017 Field Notes: No observed change.					
Site History: 1997 - Erosion of very sandy levee behind large stand of riparian vegetation on top right bank. Dry ravel of sand. 1999 - Quarry waste rock was dumped down the levee slope; poor repair job; still eroding in places. Eroding at midslope off fabric. 2005 - Length revised, only the middle 150 - 200 ft are eroding. 2006 - Some rock/small material dumped down the bank but it is slowly unraveling. Upstream end is unraveling faster. Steep slope with poor gradation so fines are washing out. 2010 - Lots of overhanging trees and erosion pockets. 2011 - This site is upgraded to CRITICAL. Near vertical bank at the downstream end. New erosion at various locations throughout the site.					

Photo 1 of 1 : FA\_2019\_RD0349\_205\_27\_20190826\_00012.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

LM Start	<b>1.38</b>	Rating **	M	Issue No.	<b>107</b>							
LM End	<b>1.59</b>	Issue Type +	Ma	Location *	LS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Vegetation		38.287963 °	38.285817 °								
			-121.584100 °	-121.586653 °								
DWR ID	DWR_RD0349_02_f_2019_107											
Comment Code												
V1 : Control annual grass and weeds on the levee slopes and easements.												
Inspector Comment												

No Photos

LM Start	<b>1.46</b>	Rating **	A/W	Issue No.	<b>34</b>							
LM End	<b>1.46</b>	Issue Type +	Ma	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	2017 Storm Damage		38.286886 °	38.286861 °								
			-121.584589 °	-121.584622 °								
DWR ID	LMA-149											
Comment Code												
Inspector Comment												
Levee Evaluation Comments Description: District Station 77+56 to 77+68, Sec. 18, T. 5 N. R. 4 E., M.D.M. Approximately 12 linear feet of erosion/sloughing exists along the water side slope of Steamboat Slough (Unit 2). The erosion area commences approximately halfway down the slope from the levee crown and extends to the waterside toe around existing trees. No rip rap is visible in this area. Site ID No: 322 Site Designation: LMA-149 Repair Type: Erosion Rating: Area of Concern Field Date: 7/28/2017 Notes: no berm												

Photo 1 of 3 : FA\_2019\_RD0349\_205\_34\_20190826\_00016.jpg



* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

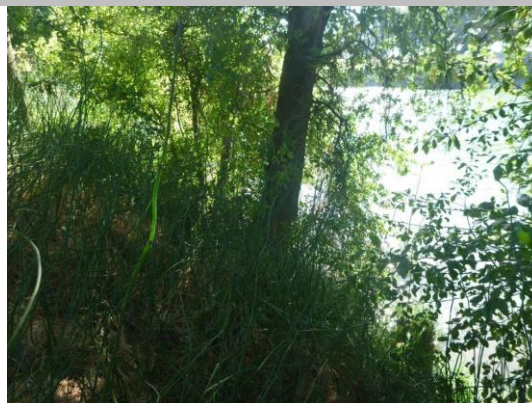
LM Start	1.46	Rating **	A/W	Issue No.	34 (cont)	
LM End	1.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.286886 °	38.286861 °	
				-121.584589 °	-121.584622 °	
DWR ID	LMA-149					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:District Station 77+56 to 77+68, Sec. 18, T. 5 N. R. 4 E., M.D.M. Approximately 12 linear feet of erosion/sloughing exists along the water side slope of Steamboat Slough (Unit 2). The erosion area commences approximately halfway down the slope from the levee crown and extends to the waterside toe around existing trees. No rip rap is visible in this area.						
Site ID No:322						
Site Designation:LMA-149						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/28/2017						
Notes: no berm						

Photo 2 of 3 : FA\_2019\_RD0349\_205\_34\_20190826\_00017.jpg



LM Start	<b>1.46</b>	Rating **	A/W	Issue No.	<b>34 (cont)</b>
LM End	<b>1.46</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : FA\_2019\_RD0349\_205\_34\_20190826\_00018.jpg

**\* Location**

LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

# Reclamation District No. 0349 Sutter Island

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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

LM Start	<b>1.67</b>	Rating **	M	Issue No.	<b>108</b>
LM End	<b>1.71</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.285093 °	38.284695 °	
			-121.587790 °	-121.588297 °	
DWR ID	DWR_RD0349_02_f_2019_108				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>1.67</b>	Rating **	M	Issue No.	<b>111</b>
LM End	<b>1.67</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.285060 °	38.285060 °	
			-121.587772 °	-121.587772 °	
DWR ID	DWR_RD0349_02_f_2019_111				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	<b>1.73</b>	Rating **	M	Issue No.	<b>51</b>
LM End	<b>1.73</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.284410 °	38.284410 °	
			-121.588552 °	-121.588552 °	
DWR ID	DWR_RD0349_02_f_2019_51				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

LM Start	1.81	Rating **	M	Issue No.	56
LM End	1.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.283458 °	38.281525 °
				-121.589240 °	-121.589685 °
DWR ID	DWR_RD0349_02_f_2018_56				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.84	Rating **	M	Issue No.	88
LM End	1.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.283035 °	38.281507 °
				-121.589388 °	-121.589628 °
DWR ID	DWR_RD0349_02_s_2019_88				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	2.04	Rating **	M	Issue No.	26
LM End	2.05	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.280069 °	38.279919 °
				-121.589443 °	-121.589438 °
DWR ID	DWR_RD0349_02_f_2018_26				
Comment Code					
Inspector Comment					
2017 Site ID: STM 24.1 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2011 - Small scallop caused by erosion and wave wash.					

Photo 1 of 1 : FA\_2019\_RD0349\_205\_26\_20190826\_00011.jpg



USACE 2013 Photo #1

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

LM Start	<b>2.05</b>	Rating **	C	Issue No.	<b>90</b>
LM End	<b>2.05</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.279943°	38.279943°	
			-121.589613°	-121.589613°	
DWR ID	DWR_RD0349_02_s _ 2019_90				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	<b>2.10</b>	Rating **	C	Issue No.	<b>91</b>
LM End	<b>2.10</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.279317°	38.279317°	
			-121.589727°	-121.589727°	
DWR ID	DWR_RD0349_02_s _ 2019_91				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild growth on the waterside slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

LM Start	2.11	Rating **	A/W	Issue No.	41
LM End	2.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.279039 °	38.278806 °
				-121.589664 °	-121.589783 °
DWR ID	LMA-151				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District Station 112+11 to 113+04, Sec. 13, T. 5 N. R. 3 E., M.D.M. Approximately 93 linear feet of erosion exists along the water side slope of Steamboat Slough (Unit 2). The erosion area commences approximately 3/4 of the way down the slope from the levee crown and extends to the waterside toe around existing trees. No rip rap is visible in this area.					
Site ID No:324					
Site Designation:LMA-151					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/28/2017					
Notes: no berm					

Photo 1 of 3 : FA\_2019\_RD0349\_205\_41\_20190826\_00027.jpg



LM Start	<b>2.11</b>	Rating **	A/W	Issue No.	<b>41 (cont)</b>
LM End	<b>2.13</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : FA\_2019\_RD0349\_205\_41\_20190826\_00028.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

LM Start	2.11	Rating **	A/W	Issue No.	41 (cont)
LM End	2.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.279039 °	38.278806 °
				-121.589664 °	-121.589783 °
DWR ID	LMA-151				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District Station 112+11 to 113+04, Sec. 13, T. 5 N. R. 3 E., M.D.M. Approximately 93 linear feet of erosion exists along the water side slope of Steamboat Slough (Unit 2). The erosion area commences approximately 3/4 of the way down the slope from the levee crown and extends to the waterside toe around existing trees. No rip rap is visible in this area.					
Site ID No:324					
Site Designation:LMA-151					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/28/2017					
Notes: no berm					

Photo 3 of 3 : FA\_2019\_RD0349\_205\_41\_20190826\_00029.jpg



LM Start	2.11	Rating **	A/W	Issue No.	25
LM End	2.14	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.279017 °	38.278597 °
				-121.589615 °	-121.589854 °
DWR ID	DWR_RD0349_02_f_2018_25				
Comment Code					
Inspector Comment					
2017 Site ID: STM 23.9 R Status: Eroding 2017 Field Notes: No observed change. Site History: 1997 - Top right bank has retreated into the levee. Site is between two rock sites. 1999 - Downstream half of the reach repaired with rock. 2000 - Trees leaning into the water. 2010 - Site appears worse. 2011 - New erosion at the toe. 2013 - Short vertical sections observed at upstream end. 2015 - Minor new erosion.					

Photo 1 of 1 : FA\_2019\_RD0349\_205\_25\_20190826\_00010.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

LM Start	2.29	Rating **	C	Issue No.	92
LM End	2.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.276880 °	38.276673 °
				-121.591378 °	-121.591467 °
DWR ID	DWR_RD0349_02_s_2019_92				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild growth on the waterside slope.					

No Photos

LM Start	2.37	Rating **	U	Issue No.	60
LM End	2.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.275713 °	38.275435 °
				-121.591369 °	-121.591177 °
DWR ID	DWR_RD0349_02_f_2017_60				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arundo					

Photo 1 of 1 : FA\_2019\_RD0349\_205\_60\_20191025\_00129.jpg



View looking upstream at arundo on the landside slope (Fall 2019).

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

# Reclamation District No. 0349 Sutter Island

A photograph of a pond or lake surrounded by dense green trees and tall reeds in the foreground. The water is calm and reflects the surrounding greenery. The reeds are tall and thin, with some showing signs of being cut or broken. The trees are lush and green, with some branches hanging over the water. The overall scene is peaceful and natural.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable            C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                      A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

LM Start	2.46	Rating **	M	Issue No.	48
LM End	2.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.274710 °	38.269260 °
				-121.590227 °	-121.589705 °
DWR ID	DWR_RD0349_02_f_2019_48				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.56	Rating **	A/W	Issue No.	24
LM End	2.69	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.273854 °	38.271998 °
				-121.588745 °	-121.589424 °
DWR ID	DWR_RD0349_02_f_2018_24				
Comment Code					
Inspector Comment					
2017 Site ID: STM 23.6 R					
Status: Eroding					
2017 Field Notes: Previously observed quarry stone at the downstream end is now gone. Significant erosion at upstream end. Fresh sedimentation on the downstream end.					
Site History: 2011 - Toe scour at the tidal zone. 2015 - New tree pop-out and minor new erosion. 2016 - New erosion at upstream end.					

Photo 1 of 2 : FA\_2019\_RD0349\_205\_24\_20190826\_00008.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

LM Start	2.56	Rating **	A/W	Issue No.	24 (cont)
LM End	2.69	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.273854 °	38.271998 °
				-121.588745 °	-121.589424 °
DWR ID	DWR_RD0349_02_f_2018_24				
Comment Code					
Inspector Comment					
2017 Site ID: STM 23.6 R					
Status: Eroding					
2017 Field Notes: Previously observed quarry stone at the downstream end is now gone. Significant erosion at upstream end. Fresh sedimentation on the downstream end.					
Site History: 2011 - Toe scour at the tidal zone. 2015 - New tree pop-out and minor new erosion. 2016 - New erosion at upstream end.					

Photo 2 of 2 : FA\_2019\_RD0349\_205\_24\_20190826\_00009.jpg



USACE 2013 Photo #2

LM Start	2.56	Rating **	A/W	Issue No.	43
LM End	2.59	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.273769 °	38.273386 °
				-121.588742 °	-121.588672 °
DWR ID	LMA-153				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District Station 135+81 to 137+00, Sec. 13, T. 5 N. R. 3 E., M.D.M. Approximately 119 linear feet of sloughing exists due to scour along the water side toe of Steamboat Slough (Unit 2). The erosion area commences approximately 3/4 of the way down the slope from the levee crown and extends to the waterside toe. No rip rap is visible in this area.					
Site ID No:326					
Site Designation:LMA-153					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/28/2017					
Notes: no berm					

Photo 1 of 3 : FA\_2019\_RD0349\_205\_43\_20190826\_00032.jpg



\* Location  
 LS : Land Side N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable N : Not Inspected/Rated  
 M : Minimally Acceptable C : Corrected  
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

LM Start	2.56	Rating **	A/W	Issue No.	43 (cont)	
LM End	2.59	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.273769 °	38.273386 °	
				-121.588742 °	-121.588672 °	
DWR ID	LMA-153					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:District Station 135+81 to 137+00, Sec. 13, T. 5 N. R. 3 E., M.D.M. Approximately 119 linear feet of sloughing exists due to scour along the water side toe of Steamboat Slough (Unit 2). The erosion area commences approximately 3/4 of the way down the slope from the levee crown and extends to the waterside toe. No rip rap is visible in this area.						
Site ID No:326						
Site Designation:LMA-153						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/28/2017						
Notes: no berm						

Photo 2 of 3 : FA\_2019\_RD0349\_205\_43\_20190826\_00033.jpg



LM Start	<b>2.56</b>	Rating **	A/W	Issue No.	<b>43 (cont)</b>
LM End	<b>2.59</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : FA\_2019\_RD0349\_205\_43\_20190826\_00034.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

LM Start	<b>2.64</b>	Rating **	C	Issue No.	<b>94</b>
LM End	<b>2.72</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.272630 °	38.271618 °	
			-121.589292 °	-121.589800 °	
DWR ID	DWR_RD0349_02_s _ 2019_94				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	<b>2.78</b>	Rating **	M	Issue No.	<b>95</b>
LM End	<b>2.78</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.270795 °	38.270795 °	
			-121.589948 °	-121.589948 °	
DWR ID	DWR_RD0349_02_s _ 2019_95				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	<b>2.89</b>	Rating **	U	Issue No.	<b>96</b>
LM End	<b>2.89</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.269162 °	38.269162 °	
			-121.589670 °	-121.589670 °	
DWR ID	DWR_RD0349_02_s _ 2019_96				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

LM Start	<b>2.96</b>	Rating **	C	Issue No.	<b>97</b>
LM End	<b>2.98</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.268310 °	38.268012 °	
			-121.589168 °	-121.588963 °	
DWR ID	DWR_RD0349_02_s _ 2019_97				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	<b>3.04</b>	Rating **	C	Issue No.	<b>98</b>
LM End	<b>3.06</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.267268 °	38.266925 °	
			-121.588575 °	-121.588427 °	
DWR ID	DWR_RD0349_02_s _ 2019_98				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Wild growth is blocking the view down the waterside slope.					

No Photos

LM Start	<b>3.06</b>	Rating **	M	Issue No.	<b>99</b>
LM End	<b>3.06</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.266925 °	38.266925 °	
			-121.588427 °	-121.588427 °	
DWR ID	DWR_RD0349_02_s _ 2019_99				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

LM Start	<b>3.14</b>	Rating **	C	Issue No.	<b>100</b>
LM End	<b>3.17</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.265735°	38.265342°	
			-121.588380°	-121.588388°	
DWR ID	DWR_RD0349_02_s_2019_100				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	<b>3.16</b>	Rating **	U	Issue No.	<b>101</b>
LM End	<b>3.18</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.265557°	38.265143°	
			-121.588377°	-121.588403°	
DWR ID	DWR_RD0349_02_s_2019_101				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0349\_205\_101\_20191025\_00131.jpg



View looking downstream at thick blackberries at the bottom of the landside slope (Fall 2019).

LM Start	<b>3.24</b>	Rating **	C	Issue No.	<b>102</b>
LM End	<b>3.28</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.264312°	38.263712°	
			-121.588480°	-121.588557°	
DWR ID	DWR_RD0349_02_s_2019_102				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Wild growth is blocking the view down waterside slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

LM Start	3.29	Rating **	M	Issue No.	62
LM End	3.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.263594 °	38.262449 °
				-121.588629 °	-121.593726 °
DWR ID	DWR_RD0349_02_f_2018_62				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove thick berry vines that completely block inspection and access to toe.					

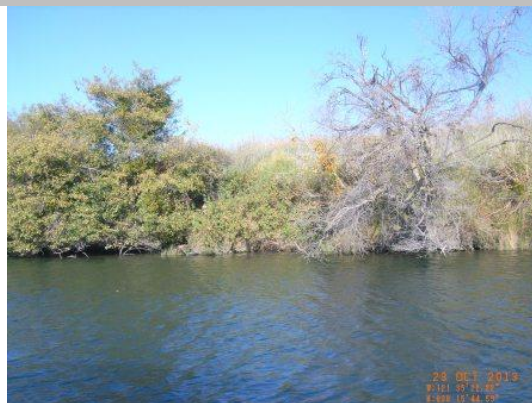
Photo 1 of 1 : FA\_2019\_RD0349\_205\_62\_20191025\_00132.jpg



View looking downstream at thick blackberries on the bottom of the landside slope (Fall 2019).

LM Start	3.38	Rating **	M	Issue No.	23
LM End	3.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.262510 °	38.262533 °
				-121.589481 °	-121.591690 °
DWR ID	DWR_RD0349_02_f_2018_23				
Comment Code					
Inspector Comment					
2017 Site ID: STM 22.8 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2010 - Slumping sections on the lower bank, appears to be scouring around the trees. 2011 - Soil beach at toe.					

Photo 1 of 1 : FA\_2019\_RD0349\_205\_23\_20190826\_00007.jpg



USACE 2013 Photo #1

LM Start	3.64	Rating **	U	Issue No.	104
LM End	3.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.262068 °	38.261835 °
				-121.594283 °	-121.594553 °
DWR ID	DWR_RD0349_02_s_2019_104				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Wild growth is blocking the view down the waterside slope.					

Photo 1 of 1 : FA\_2019\_RD0349\_205\_104\_20190826\_00063.jpg



View looking downstream at wild growth on the waterside slope (Spring 2019).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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# Reclamation District No. 0349 Sutter Island

No Photos

View looking downstream of vegetation part way down the landside slope (November 2018).

View of footpath going down the waterside slope (November 2018).

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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	10/23/2019 10/23/2019	David Julian

LM Start	4.28	Rating **	U	Issue No.	30
LM End	4.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254802°	38.254882°
				-121.599382°	-121.600150°
DWR ID	DWR_RD0349_02_f_2018_30				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0349\_205\_30\_20190826\_00014.jpg



View of arundo on the waterside slope (November 2018).

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/23/2019 10/23/2019	David Julian

LM Start	0.02	Rating **	U	Issue No.	34
LM End	0.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.255025 °	38.257803 °
				-121.600078 °	-121.599805 °
DWR ID	DWR_RD0349_03_s_2019_34				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0349\_206\_34\_20191025\_00090.jpg



View looking upstream at vegetation on the landside slope (Fall 2019).

LM Start	0.21	Rating **	C	Issue No.	38
LM End	0.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.257740 °	38.257740 °
				-121.599778 °	-121.599778 °
DWR ID	DWR_RD0349_03_s_2019_38				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.42	Rating **	M	Issue No.	32
LM End	0.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.260762 °	38.265662 °
				-121.600513 °	-121.601642 °
DWR ID	DWR_RD0349_03_f_2019_32				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 0349 Sutter Island

View looking upstream at fig tree on the landside slope (Fall 2019).

No Photos

View of down tree on the land side shoulder (November 2018).

Page 2 of 16

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

### Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/23/2019 10/23/2019	David Julian

LM Start	0.91	Rating **	M	Issue No.	33
LM End	1.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.267658 °	38.269152 °
				-121.602513 °	-121.603277 °
DWR ID	DWR_RD0349_03_f_2019_33				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.11	Rating **	U	Issue No.	51
LM End	1.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.270452 °	38.270677 °
				-121.603587 °	-121.603572 °
DWR ID	DWR_RD0349_03_f_2017_51				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD0349\_206\_51\_20191025\_00092.jpg



View looking upstream at untrimmed trees on the landside slope (Fall 2019).

LM Start	1.25	Rating **	C	Issue No.	112
LM End	1.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.272423°	38.272423°
				-121.603115°	-121.603115°
DWR ID	DWR_RD0349_03_f_2018_112				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/23/2019 10/23/2019	David Julian

LM Start	<b>1.28</b>	Rating **	M	Issue No.	<b>111</b>
LM End	<b>1.68</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.272777°	38.278175°	
			-121.602855°	-121.600373°	
DWR ID	DWR_RD0349_03_f_2018_111				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	<b>1.49</b>	Rating **	C	Issue No.	<b>71</b>
LM End	<b>1.49</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.275496°	38.275496°	
			-121.601273°	-121.601273°	
DWR ID	DWR_RD0349_03_s_2018_71				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	<b>1.49</b>	Rating **	M	Issue No.	<b>70</b>
LM End	<b>1.49</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.275496°	38.275496°	
			-121.601272°	-121.601272°	
DWR ID	DWR_RD0349_03_s_2018_70				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/23/2019 10/23/2019	David Julian

LM Start	1.54	Rating **	M	Issue No.	48
LM End	1.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.276217 °	38.277103 °
				-121.600940 °	-121.600643 °
DWR ID	DWR_RD0349_03_s_2019_48				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
remove brush and properly maintain vegetation within 20 feet of the waterside shoulder.					

Photo 1 of 1 : FA\_2019\_RD0349\_206\_48\_20190826\_00010.jpg



View looking upstream at thick wild growth within 20 feet of the waterside shoulder (Spring 2019).

LM Start	1.67	Rating **	C	Issue No.	110
LM End	1.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.278017 °	38.278017 °
				-121.600438 °	-121.600438 °
DWR ID	DWR_RD0349_03_f_2018_110				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove vegetation all the way down the landside slope.					

No Photos

LM Start	1.85	Rating **	M	Issue No.	50
LM End	1.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.280583°	38.280583°
				-121.600573°	-121.600573°
DWR ID	DWR_RD0349_03_s_2019_50				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/23/2019 10/23/2019	David Julian

LM Start	<b>1.86</b>	Rating **	M	Issue No.	<b>52</b>
LM End	<b>2.85</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.280787 °	38.293757 °	
			-121.600630 °	-121.604132 °	
DWR ID	DWR_RD0349_03_s_2019_52				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	<b>2.15</b>	Rating **	C	Issue No.	<b>53</b>
LM End	<b>2.15</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.284168 °	38.284168 °	
			-121.603580 °	-121.603580 °	
DWR ID	DWR_RD0349_03_s_2019_53				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove blackberries from landside slope.					

No Photos

LM Start	<b>2.23</b>	Rating **	M	Issue No.	<b>36</b>
LM End	<b>2.23</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.285110 °	38.285110 °	
			-121.604543 °	-121.604543 °	
DWR ID	DWR_RD0349_03_f_2019_36				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/23/2019 10/23/2019	David Julian

LM Start	2.28	Rating **	M	Issue No.	37
LM End	2.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.285728 °	38.285728 °
				-121.604867 °	-121.604867 °
DWR ID	DWR_RD0349_03_f_2019_37				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	2.57	Rating **	M	Issue No.	55
LM End	2.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.289782 °	38.289782 °
				-121.603298 °	-121.603298 °
DWR ID	DWR_RD0349_03_s_2019_55				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Remove broken limb from landside slope.					

No Photos

LM Start	2.83	Rating **	M	Issue No.	35
LM End	2.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.293403 °	38.295376 °
				-121.604013 °	-121.604726 °
DWR ID	DWR_RD0349_03_s_2018_35				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 0349 Sutter Island

View looking upstream at vegetation on the landside slope (Fall 2019).

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# Reclamation District No. 0349 Sutter Island

View of tree on the landside slope (November 2018).

No Photos

View looking upstream at vegetation the landside slope (Fall 2019).

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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/23/2019 10/23/2019	David Julian

LM Start	4.52	Rating **	M	Issue No.	77
LM End	4.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.313317 °	38.313317 °
				-121.592608 °	-121.592608 °
DWR ID	DWR_RD0349_03_s_2018_77				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.56	Rating **	A/W	Issue No.	115
LM End	4.68	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.313836 °	38.315407 °
				-121.592259 °	-121.591433 °
DWR ID	DWR_RD0349_03_f_2018_115				
Comment Code					
Inspector Comment					
2017 Site ID: STR 26.5 L					
Status: Eroding					
2017 Field Notes: There appears soil under geotech fabric that appears to be failing but hard to tell.					
Site History: 2002 - Original rock over geotextile is sliding off and the end is coming unraveled. 2003 - Some minor new erosion on the downstream end. 2004 - Site has gotten worse. Underlined geofabric is exposed. 2005 - Still looks bad with exposed geotextile fabric.					
2006 - Still have some new unraveling and exposed fabric. Site lengthened upstream. 2009 - Minimal new erosion. 2010 - geotextile fabric placed since last year, possible flood fight. 2012 - Exposed geotech style fabric, assume rock on top slid off. 2015 - Erosion pockets covered with plastic.					

Photo 1 of 1 : FA\_2019\_RD0349\_206\_115\_20190826\_00027.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/23/2019 10/23/2019	David Julian

LM Start	4.92	Rating **	A/W	Issue No.	60
LM End	5.57	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.318543 °	38.325943 °
				-121.589567 °	-121.584857 °
DWR ID	DWR_RD0349_03_s_2019_60				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	5.03	Rating **	C	Issue No.	98
LM End	5.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.320068 °	38.320068 °
				-121.589590 °	-121.589590 °
DWR ID	DWR_RD0349_03_f _ 2018_98				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	5.06	Rating **	M	Issue No.	59
LM End	5.17	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.320500 °	38.322216 °
				-121.589882 °	-121.590101 °
DWR ID	DWR_RD0349_03_f_2018_59				
Comment Code					
Inspector Comment					
2017 Site ID: STR 26.9 R					
Status: Eroding					
2017 Field Notes: new erosion at toe. new erosion pocket at upstream end.					
Site History: 2015 - Large Tree popout and tall vertical sections into the levee slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/23/2019 10/23/2019	David Julian

LM Start	5.45	Rating **	U	Issue No.	82
LM End	5.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.324315 °	38.324315 °
				-121.585777 °	-121.585777 °
DWR ID	DWR_RD0349_03_f_2019_82				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	5.48	Rating **	U	Issue No.	83
LM End	5.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.324662 °	38.324662 °
				-121.585503 °	-121.585503 °
DWR ID	DWR_RD0349_03_f_2019_83				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	5.59	Rating **	M	Issue No.	84
LM End	5.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.326118 °	38.326118 °
				-121.584740 °	-121.584740 °
DWR ID	DWR_RD0349_03_f_2019_84				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/23/2019 10/23/2019	David Julian

LM Start	<b>5.82</b>	Rating **	M	Issue No.	<b>85</b>
LM End	<b>5.82</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.329337 °	38.329337 °
				-121.585093 °	-121.585093 °
DWR ID	DWR_RD0349_03_f_2019_85				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	<b>5.95</b>	Rating **	M	Issue No.	<b>86</b>
LM End	<b>5.95</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.331062 °	38.331062 °
				-121.584233 °	-121.584233 °
DWR ID	DWR_RD0349_03_f_2019_86				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	<b>6.21</b>	Rating **	M	Issue No.	<b>89</b>
LM End	<b>6.21</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.330172 °	38.330172 °
				-121.580382 °	-121.580382 °
DWR ID	DWR_RD0349_03_f_2019_89				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	10/23/2019 10/23/2019	David Julian

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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